

Weather Event Simulator Case Study

Originating Office	:	WFO Austin/San Antonio
Date of Case	:	15 November 2001
Contacts	:	Nezette.Rydell@noaa.gov
Weather Event	:	Severe Weather - Tornado/Severe Thunderstorm/Flooding
Learning Objectives	:	<p>This set of simulations focuses on the severe convection and flooding across South Central Texas during the afternoon and evening hours of November 15th. The objective is to let the trainee experience the warning process and learn when to warn and when <u>not</u> to warn.</p> <p>Part 1 is a tornado and severe thunderstorm simulation.</p> <p>Part 2 is a flash flooding and headwater river flooding simulation.</p>
Available Data	:	<p>All radar data for KEWX and KCRP. Lowest elevation angle data for KHGX and KGRK</p> <p>: surface metar/lighting/msas.</p> <p>: limited CONUS IR satellite imagery.</p> <p>: Only Eta and LAPS gridded output.</p>
Time Period of Data	:	1200 UTC to 2359 UTC 15 November 2001.
Type of Simulation	:	Interval Based Simulation -- Self Guided.
Completion Time	:	Five hours (Part 1); six hours (Part 2)
Additional Materials	:	HTML copy of Simulation Guide on the CD-ROM will be loaded into a 2001Nov15/HTML directory. The starting page is called Nov15.htm
Installation	:	Use the CaseInstaller.tcl script to install the case specifying two (2) CDs, the appropriate directory (e.g., /data/awips) on the appropriate hard drive (e.g., /dev/sdb1). The case directory will be called 2001Nov15.
Special Instructions	:	<p>This case includes localizations for WES versions 1.0, 1.1, 1.2 and 1.3. Please "cd" to the 2001Nov15/localizationDataSets subdirectory and extract (zcat tar -xvf -) the appropriate localization for your version of the WES software.</p> <p>: The case includes the AWIPS D2D procedures referenced in the self-paced HTML simulation Guide. These can be accessed by adding a user named 2001Nov15 to the file: /usr1/awips/fga/data/fga-users . The procedures are stored in several groups. They can be accessed by choosing: <i>File --> Select User ID...</i> followed by: <i>File --> Procedures --> Open ...</i> from the D2D interface.</p>